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**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

Please cancel claims 20 and 38-41 without prejudice.

Please amend claims 21-23 as indicated below (material to be inserted is in **bold and underline**, material to be deleted is in ~~strikeout~~ or (if the deletion is of five or fewer consecutive characters or would be difficult to see) in double brackets [ ]):

Listing of Claims:

1. (Previously Presented) A method of projecting an image with display-condition compensation, the method, comprising:

projecting a principal image onto a principal area of a display surface, the display surface disposed for viewing by one or more people;

projecting an intended calibration image onto a calibration area of the display surface when the principal image is not projected onto the calibration area, the calibration area forming a subunit of the principal area;

receiving a reflection from the display surface of the projected calibration image;

comparing the received calibration image to the intended calibration image to determine an observed difference; and

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modifying projection of the principal image based on the observed difference;

where projecting a principal image includes projecting a principal image without a portion of the principal image corresponding to the calibration area, and projecting a calibration image includes projecting the calibration image onto the calibration area while projecting the principal image without the portion.

2. (Original) The method of claim 1, where comparing the received calibration image to the intended calibration image includes determining a color characteristic of the received calibration image and comparing it to a corresponding color characteristic of the intended calibration image.

3. (Cancelled)

4. (Original) The method of claim 1, where comparing the received calibration image to the intended calibration image includes comparing an intended calibration image color characteristic to a received calibration image color characteristic corresponding to at least a portion of the calibration area.

5. (Previously Presented) The method of claim 1, further comprising:

segmenting the intended calibration image into a plurality of multi-pixel subunits;

and

segmenting the received calibration image into a corresponding plurality of multi-pixel subunits;

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where comparing the received calibration image to the intended calibration image includes determining a color characteristic for each intended calibration image subunit, determining a color characteristic for each received calibration image subunit; and

comparing the intended calibration color characteristic to the received calibration image color characteristic for at least one subunit.

6. (Original) The method of claim 1, where modifying the projected principal image includes determining a correction based on the observed difference.

7. (Original) The method of claim 6, where modifying the projected principal image includes applying the correction to principal image data.

8. (Original) The method of claim 6, where modifying the projected principal image includes applying the correction to commands received by a light engine to create the projected principal image.

9. (Original) The method of claim 6, where modifying the projected principal image includes applying the correction to one or more operating parameters of a light engine used to create the projected principal image.

10. (Original) The method of claim 1, where projecting the principal image includes projecting the principal image from at least a first light source, and projecting an intended calibration image includes projecting the intended calibration image from at least a second light source.

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11. (Previously Presented) The method of claim 1, further comprising, prior to modifying the principal image, modifying the calibration image, projecting the modified intended calibration image onto the calibration area of the display surface when the principal image is not projected onto the calibration area, receiving the modified calibration image displayed on the display surface, and comparing the received modified calibration image to the modified calibration image to determine an observed difference.

12. (Original) The method of claim 1, where comparing the received calibration image to the intended calibration image includes:

determining a color characteristic for at least a subunit of the received calibration image; and

determining a difference between the determined color characteristic and an intended color characteristic of at least a subunit of the intended calibration image.

13. (Original) The method of claim 12, where modifying the projection of the principal image includes determining a correction configured to reduce the determined difference between the intended and determined color characteristic, and modifying projection of the principal image based on the determined correction.

14. (Original) The method of claim 13, where modifying projection of the principal image includes modifying principal image data.

15. (Original) The method of claim 13, where modifying projection of the principal image includes modifying one or more light engine commands derived from principal image data.

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16. (Original) The method of claim 13, where modifying projection of the principal image includes modifying one or more operating parameters of a light engine.

17. (Original) The method of claim 12, where determining a color characteristic, and determining a difference between the determined color characteristic and an intended color characteristic is repeated for each subunit of the intended calibration image and corresponding subunit of the displayed calibration image.

18. (Original) The method of claim 12, where a color characteristic includes one or more of an average red intensity, an average blue intensity, an average green intensity, average color, chromaticity, color temperature and luminance.

19. (Original) The method of claim 12, further comprising capturing the displayed calibration image using at least one of a color-sensing device, a colorimeter, a luminance meter, a color temperature meter, and a camera.

20. (Cancelled)

21. (Currently Amended) The display device of claim ~~[[20]]~~ 23, where the optical unit is at least one of a color-sensing device, a colorimeter, a luminance meter, a color temperature meter and a camera.

22. (Currently Amended) The display device of claim ~~[[20]]~~ 23, further including memory connected to the processor, where the memory is configured to store the intended first color characteristic.

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23. (Currently Amended) [[The display device of claim 20,]] **A display device comprising:**

**a light engine apparatus configured to project a principal image and an intended calibration image onto a display surface, the display surface disposed for viewing by one or more people, where at least a portion of the intended calibration image has an intended first color characteristic, and** where the light engine apparatus includes a light engine configured to project the principal image and a calibration light unit configured to project the intended calibration image;

**an optical unit configured to receive a reflection from the display surface of the projected calibration image; and**

**a processor configured to**

**direct projection of the intended calibration image onto a calibration area of the display surface when the principal image is not projected onto the calibration area;**

**compare the received calibration image to the intended calibration image to determine an observed difference between the intended calibration image and the received calibration image; and**

**modify projection of the principal image based on the observed difference.**

24. (Previously Presented) The display device of claim 23, where the calibration light unit projects the intended calibration image along at least a portion of a light path along which the light engine projects the principal image.

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25. (Previously Presented) The display device of claim 24, further comprising an optical device configured to insert the intended calibration image into the light path along which the principal image is projected.

26. (Previously Presented) The display device of claim 25, where the optical unit receives the reflected calibration image along at least a portion of the light path along which the calibration light unit projects the calibration image.

27. (Original) The display device of claim 23, further comprising a first housing containing the light engine, and a second housing containing the optical unit.

28. (Original) The display device of claim 27, where the second housing is freely movable relative to the first housing.

29. (Previously Presented) The display device of claim 28, further comprising an output device mounted on the second housing, the output device coupled to the optical unit for outputting a signal representative of the received calibration image.

30. (Original) The display device of claim 29, where the output device and optical unit are configured to output a signal representative of a received first color characteristic.

31. (Previously Presented) The display device of claim 29, further comprising an input device mounted on the first housing, the input device coupled to the processor for inputting the signal representative of the received calibration image.

32. (Previously Presented) The display device of claim 23, where the processor is further configured to:

determine an actual first color characteristic of at least a portion of the received calibration image;

calculate a difference between intended and actual first color characteristics for corresponding portions of the intended calibration image and the received calibration image;

calculate a correction based on the calculated difference between the intended and actual first color characteristics; and

modify projection of at least one of the principal image and the calibration image based on the correction.

33. (Original) The display device of claim 32, where the light engine is configured to project the principal image onto a principal area of the surface including at least a portion of the calibration area, and the processor is further configured to direct the light engine not to project the principal image onto at least the calibration area of the surface while the calibration image is being projected.

34. (Previously Presented) The display device of claim 33, further comprising an input device coupled to the processor and configured to be manually actuated, the processor being configured to initiate projection of the calibration image when the input device is actuated.



35. (Original) The display device of claim 32, where the processor is further configured to terminate projection of the principal image on at least the calibration area of the surface while projecting the calibration image.

36. (Original) The display device of claim 32, where the color characteristic is at least one of an average color, a chromaticity, a color temperature and a luminance.

37. (Original) The display device of claim 36, where the average color includes one or more of an average red intensity, an average blue intensity and an average green intensity.

38. (Cancelled)

39. (Cancelled)

40. (Cancelled)

41. (Cancelled)

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